## PATENT COOPERATION TREATY

# **PCT**

# Translation INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	's or agent's file reference SP09791WO	FOR FURTHER	FOR FURTHER ACTION See Form PCT/IPE							
Internation	nal application No.	International filing d	late (day/month/year)	Priority date (day/month/year)						
PCT/	EP2004/007593	09.07.200	04	10.07.2003						
Internation	International Patent Classification (IPC) or national classification and IPC									
G06F17/60										
Applicant										
SIEMENS AKTIENGESELLSCHAFT										
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	<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>									
2.	This REPORT consists of a tot	al of 5	sheets, including	g this cover sheet.						
3.	This report is also accompanie	d by ANNEXES, comprising	;							
	a. (sent to the applica	nt and to the International B	ureau) a total of 1	sheets, as follows:						
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	· · · · · · · · · · · · · · · · · · ·	supersede earlier sheets, but	which this Authority con	siders contain an amendment that goes beyond						
	the disclosure Box.	in the international applica	tion as filed, as indicated	in item 4 of Box No. I and the Supplemental						
	b (sent to the Interna	ionai Bureau oniy) a totai o	(indicate type and numbe	er of electronic carrier(s))						
	related thereto in an	moutan anadakla farma anlır	as indicated in the Cample	_ , containing a sequence listing and/or tables mental Box Relating to Sequence Listing (see						
		ministrative Instructions).	as indicated in the Supple	mental box relating to sequence Listing (see						
4.	This report contains indication	relating to the following ite	ms:							
[	Box No. I Basis	of the report								
1	Box No. II Prior	ty								
[	Box No. III Non-	establishment of opinion wit	h regard to novelty, invent	ive step and industrial applicability						
[	Box No. IV Lack of unity of invention									
	Box No. V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
[	Box No. VI Certain documents cited									
Box No. VII Certain defects in the international application										
[	Box No. VIII Certain observations on the international application									
Date of submission of the demand			Date of completion of the	is report						
			,	•						
Name and mailing address of the IPEA/EP			Authorized officer							
Facsimile No.			Telephone No.							

International application No.
PCT/EP2004/007593

Box	No. I		Basis of the report		
1.		regard	to the language, this report is based on the internation	nal application in the language in	which it was filed, unless otherwise
	indic	ated una	der this item.		
			port is based on translations from the original language is the language of a translation furnished for the purpo		,
		□ i	nternational search (Rule 12.3 and 23.1(b))		
		r	publication of the international application (Rule 12.4)		
		∐ i	nternational preliminary examination (Rule 55.2 and/	or 55.3)	
2.	recei		to the elements of the international application, this first in response to an invitation under Article 14 are		
	닐	the inte	ernational application as originally filed/furnished		
	$\boxtimes$	the des	scription:		
		pages	1-8		as originally filed/furnished
		pages*	·	received by this Authority on	
		pages*		received by this Authority on	
	Ø	the cla	ims:		
		nos.	2-9		as originally filed/furnished
		nos.*			er with any statement) under Article 19
		nos.*	1		04.02.2005 with letter
		nos.*		·	
	$\square$			iccorrect by that realisting on	
		the dra	wings:		
		sheets	1/2-2/2		as originally filed/furnished
		sheets'		received by this Authority on	
	_	sheets'	•	received by this Authority on	
	Ш	a sequ	ence listing and/or any related table(s) - see Supplement	ental Box Relating to Sequence I	Listing.
3.		The ar	nendments have resulted in the cancellation of:		
			the description, pages		
			the claims, nos.		
			the drawings, sheets/figs		
			the sequence listing (specify):		
			any table(s) related to sequence listing (specify):		
4.			eport has been established as if (some of) the amend	ments annexed to this report and	d listed below had not been made, since
	ب	they h	ave been considered to go beyond the disclosure as fil	ed, as indicated in the Suppleme	ntal Box (Rule 70.2(c)).
			the description, pages	<del></del>	
			the claims, nos.		
			the drawings, sheets/figs		
		Ц ,	the sequence listing (specify):		
			any table(s) related to sequence listing (specify):		
*	If ite	т 4 арр	lies, some or all of those sheets may be marked "supe	rseded."	

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Box			ticle 35(2) with regard to novelty, inventive step or industrial applicability; poorting such statement	
1.	Statement			
	Novelty (N)	Claims	1-9	YES
		Claims		мо
	Inventive step (IS)	Claims Claims	1-9	YES
		Claims		110
	Industrial applicability (IA)	Claims	1-9	YES
		Claims		мо

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: US-A-6 298 319

D2: WO-A-02/088909

Document D1, which is considered to be the closest prior art, discloses (the references in parentheses are to D1) a method for designing and/or configuring a project (column 3, lines 5 to 17), wherein:

- in a memory of an engineering system connected to a programming device of the engineering system, design modules ("blocks and design templates") are stored in a library (column 5, line 48 to column 6, line 54);
- copies of the design modules needed for the design and/or configuration of the project can be stored in the programming device (column 6, lines 55 to 61).

The subject matter of claim 1 differs in that:

- (a) the project design and/or configuration represents automation equipment for controlling an engineering system;
- (b) the method has the following steps:

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- references are stored in the programming device showing which design modules are to be copied; on the basis of the references the design modules are automatically copied and stored in the programming device.

The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can thus be seen as that of how to reduce the error susceptibility and design overhead.

The solution proposed in claim 1 of the application involves an inventive step (PCT Article 33(3)) for the following reasons:

Document D2 discloses a file stored on a computer or server. If the content of the file changes the file is automatically updated.

In claim 1 the design modules are automatically copied and stored in the programming device on the basis of the references. Because the programmer simply enters references and is not responsible for the actual copying, the error susceptibility and design overhead are reduced.

A person skilled in the art would therefore not be able to arrive at the subject matter of claim 1 on the basis of a combination of the teachings of D1 and D2, without making an inventive contribution.

The skilled person would also not be able to arrive at the subject matter of claim 1 on the basis of a combination of

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

the teachings of D1 and one or more of the documents cited in the international search report, without making an inventive contribution.

Independent claims 5 and 9 define a system and a programming device respectively, but the subject matter claimed is the same as that of claim 1. Claims 5 and 9 therefore also meet the PCT requirements in respect of novelty and inventive step.

Claims 2 to 4 are dependent on claim 1 and therefore also meet the PCT requirements in respect of novelty and inventive step.

Claims 6 to 8 are dependent on claim 1 and therefore also meet the PCT requirements in respect of novelty and inventive step.